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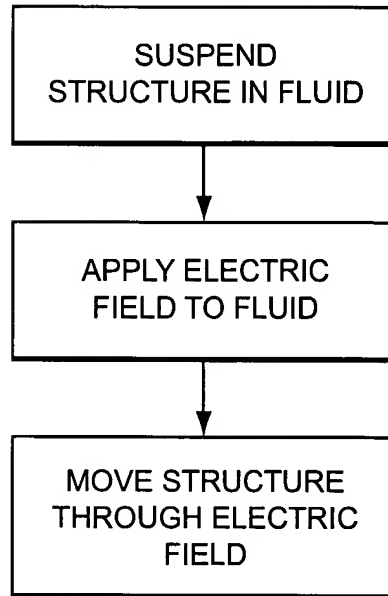
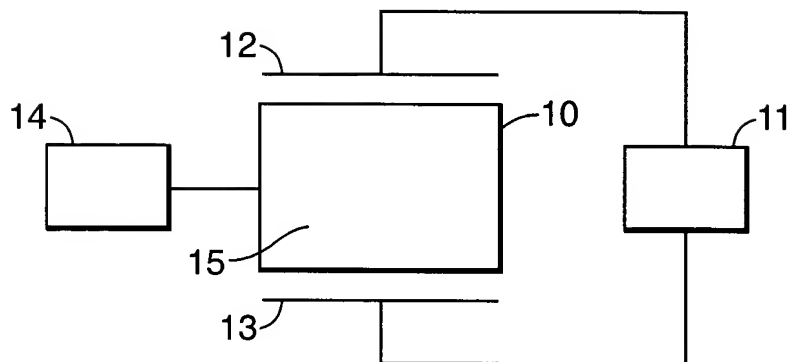


FIG. 1



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FIG. 2

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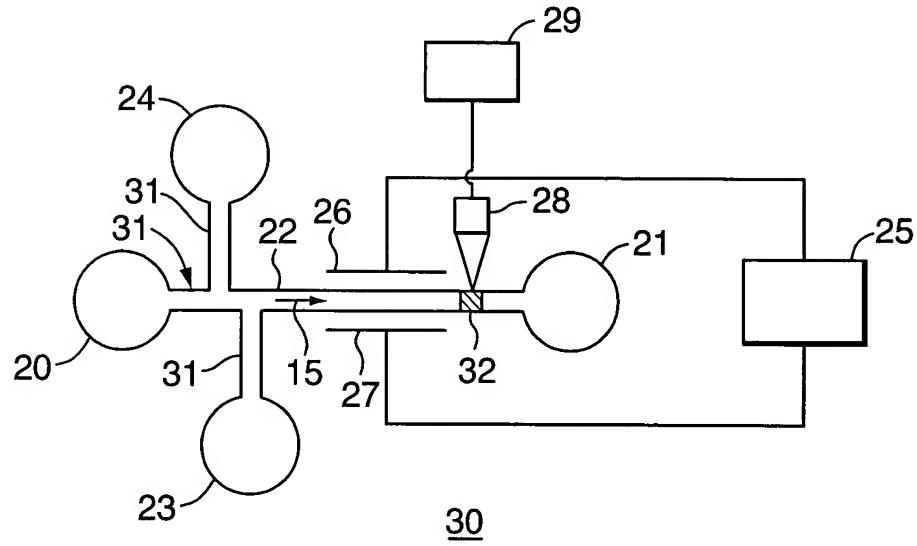


FIG. 3

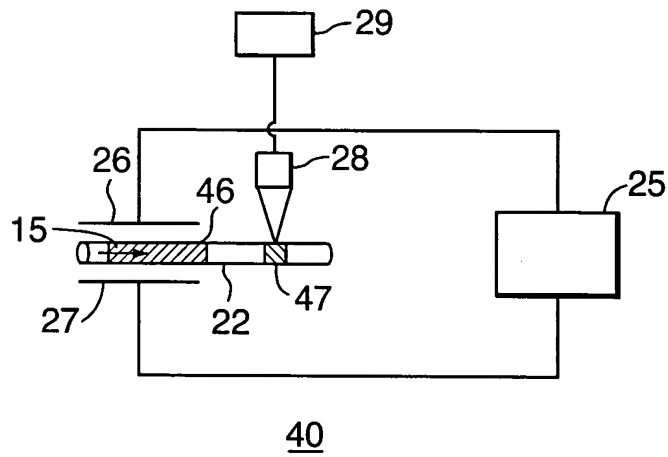


FIG. 4

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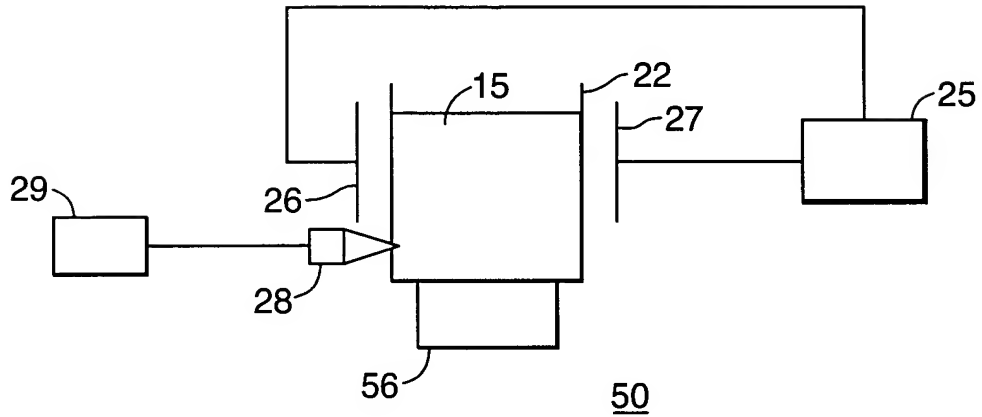


FIG. 5

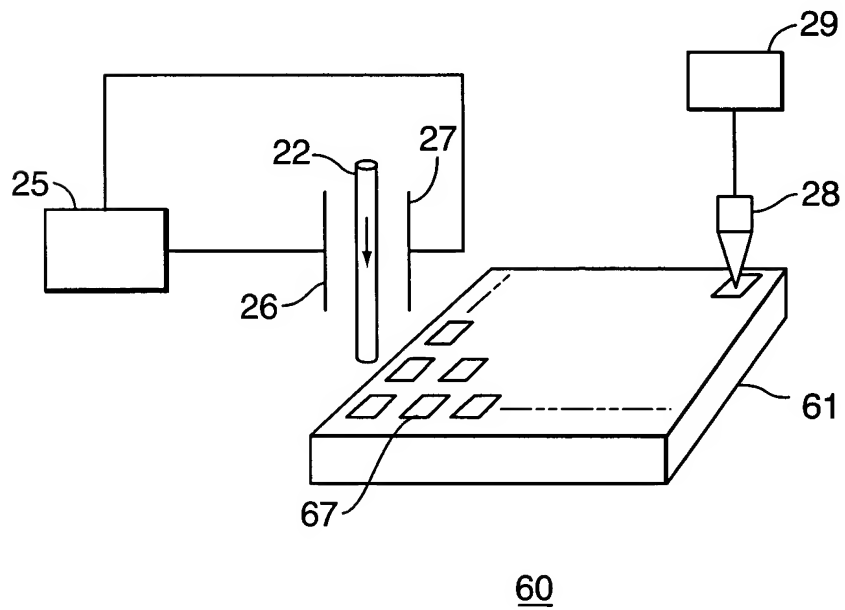
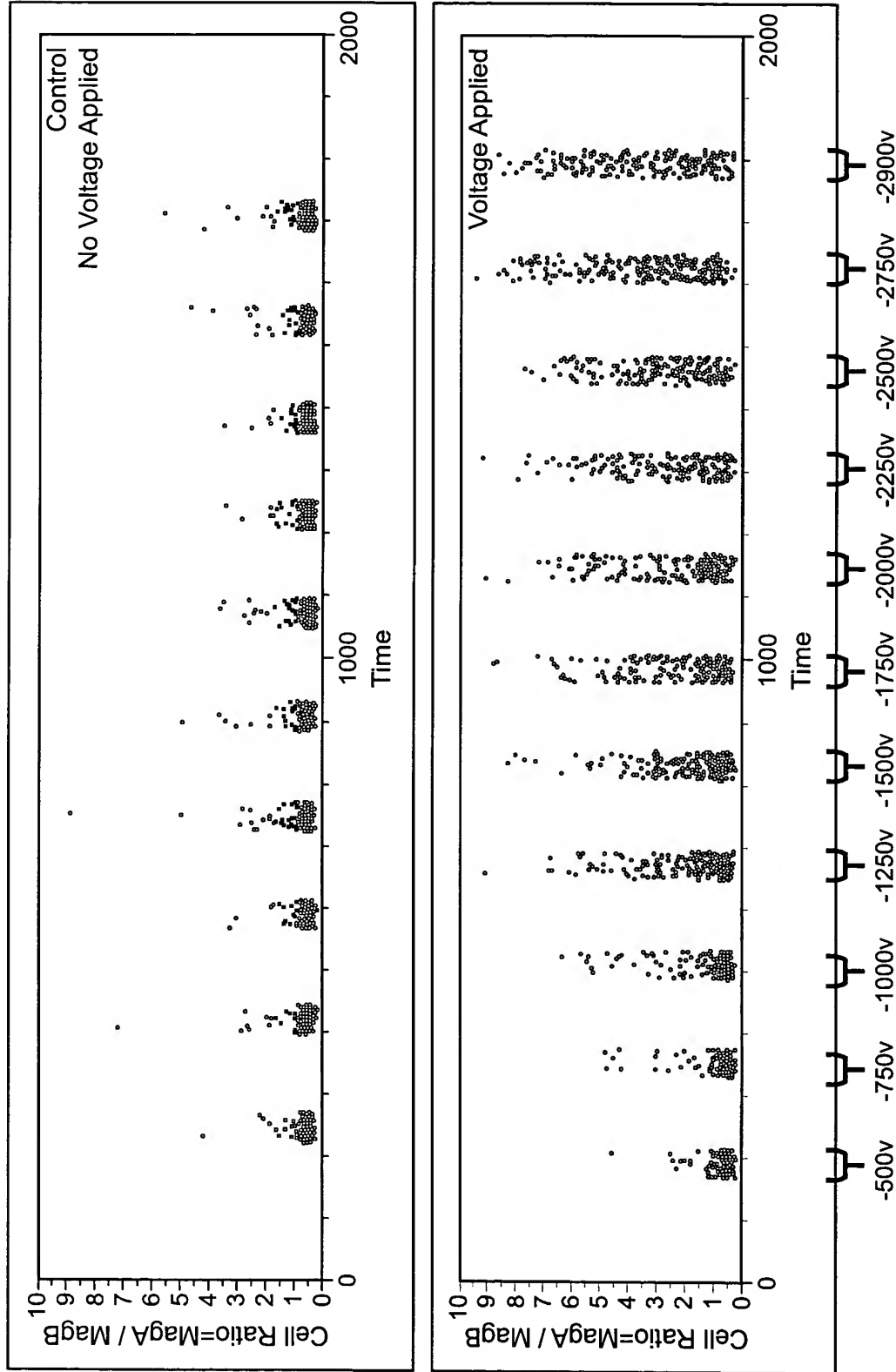


FIG. 6

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MODIFIED CALIPER: FIELD STIMULATION EVOKED RESPONSE OF N-TYPE CALCIUM CHANNELS IN HEK CELLS



VOLTAGE LEVELS APPLIED

FIG. 7

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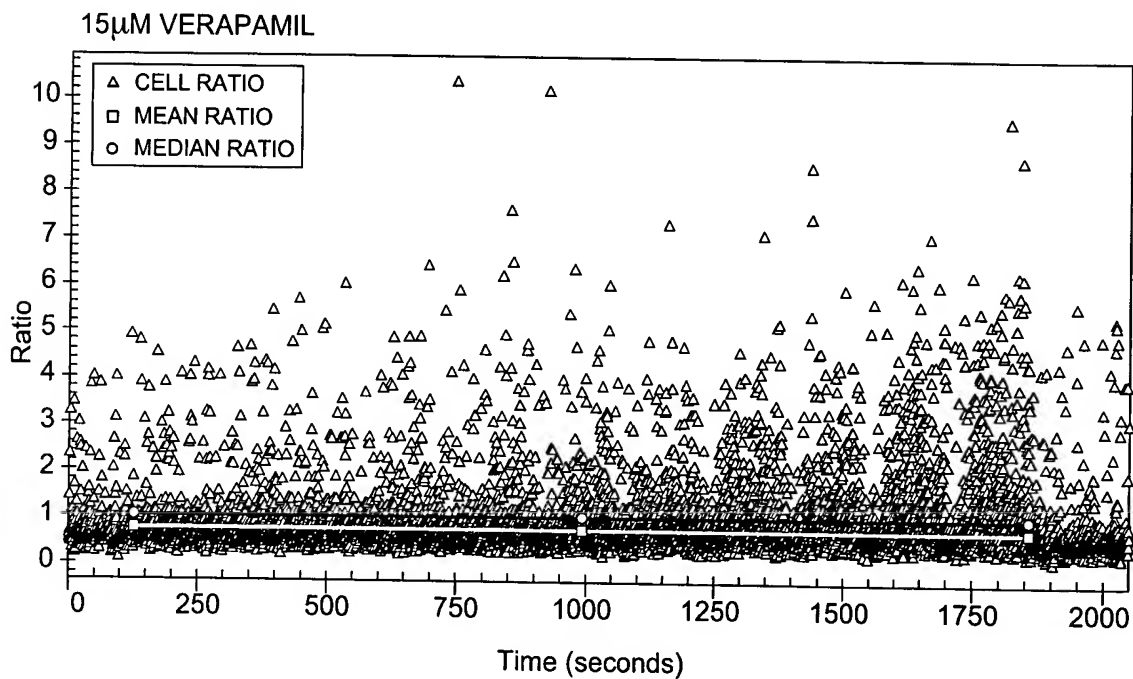
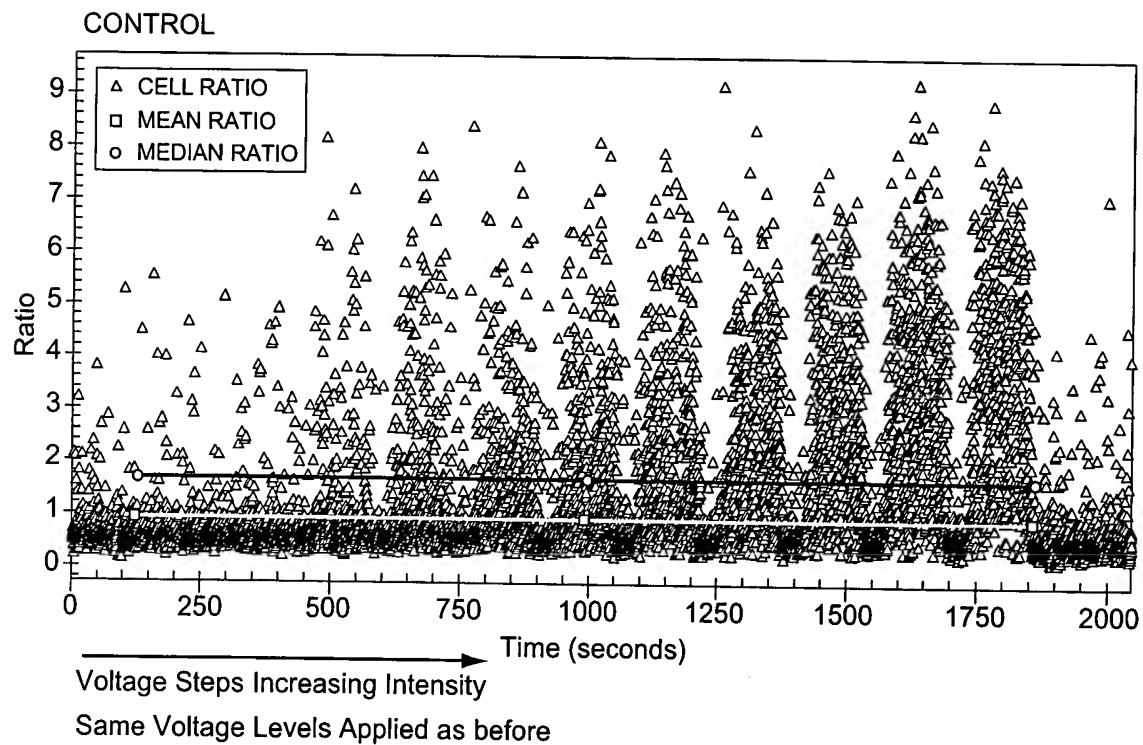


FIG. 8

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MODIFIED CELL CHIP FOR FIELD STIMULATION:
DESIGN & FABRICATION

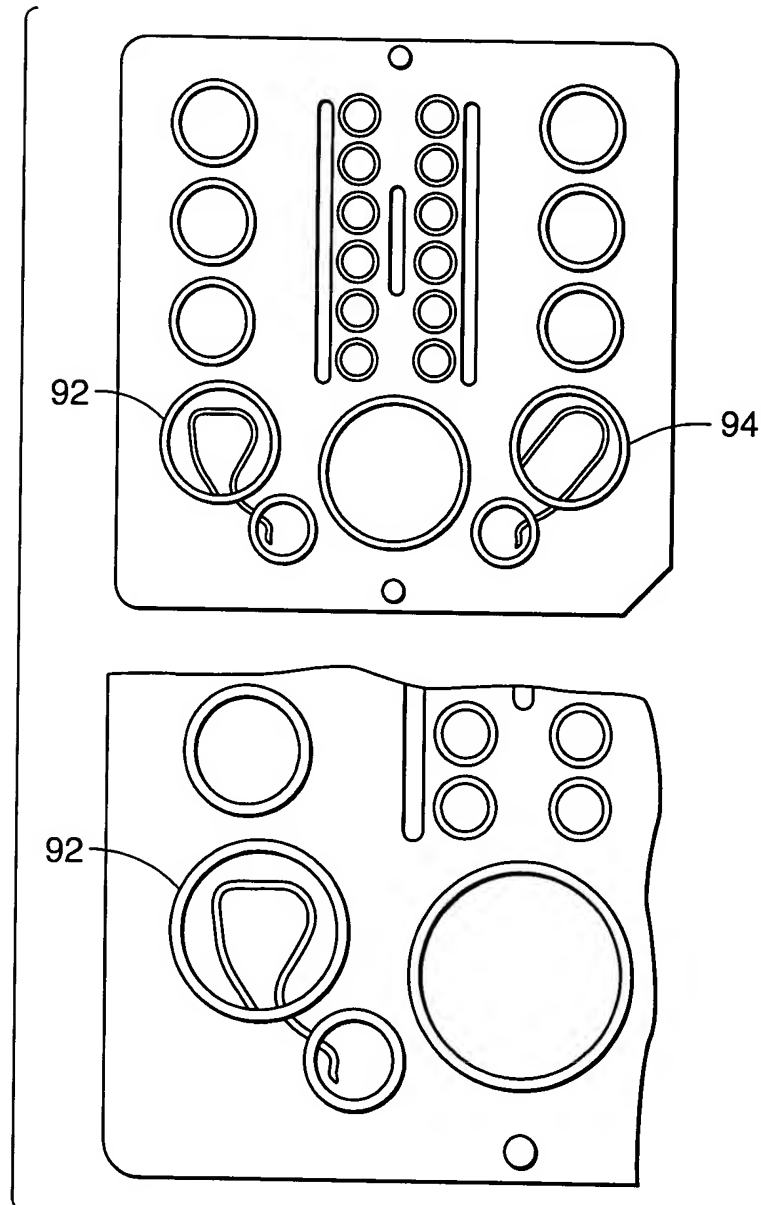
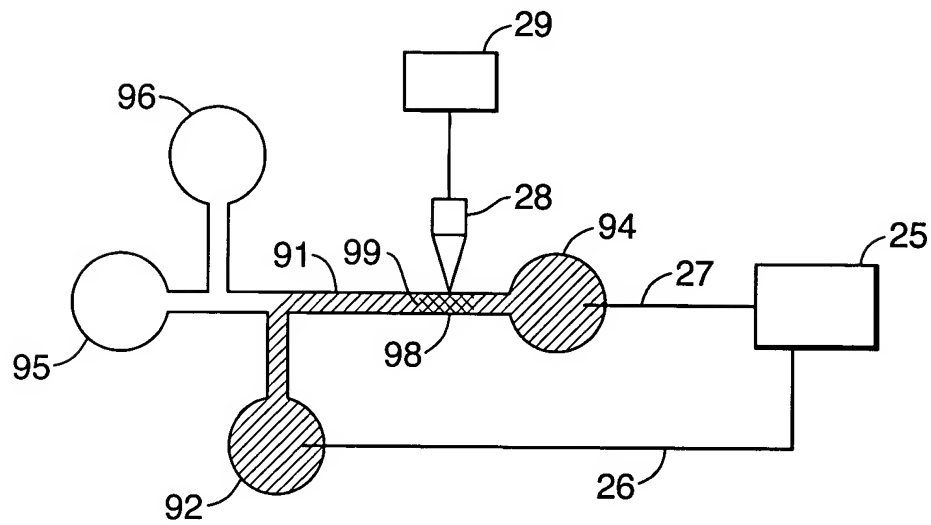


FIG. 9



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FIG. 10